

FORM PTO-1449  
(REV. 7-80)  
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

125991-1

SERIAL NO.

10676990

INFORMATION DISCLOSURE STATEMENT BY APPLICANT--

LIST OF ITEMS

(Use several sheets if necessary)

Applicant

Kevin George Harding et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MV	AA 6 3 6 7 9 6 9	04/09/02	Ringermacher et al.			
MV	AB 6 3 9 4 6 4 6	05/28/02	Ringermacher et al.			
MV	AC 5 3 3 4 9 3 4	08/02/94	Viertl			
MV	AD 5 3 4 5 5 1 4	09/06/94	Mahdavi et al.			
MV	AE 5 4 1 8 5 4 7	05/23/95	Mizukata et al.			
	AF					
	AG					
	AH					
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	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL						
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	AN						
	AO						
	AP						

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	AR	
	AS	
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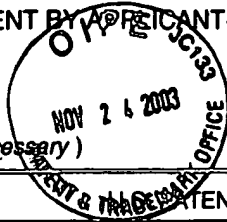
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MV	AR	T. M. Liou et al., "Heat Transfer and Fluid Flow in a Square Duct with 12 Different Shaped Vortex Generators", Transactions of the ASME, Journal of Heat Transfer, Vol. 122, No. 2, pp. 327-335, May 2000.
MV	AS	T. Varady et al., "Revers Engineering of Geometric Models an Introduction", Computer-Aided Design 1997, Vol. 29, No. 4, pp.255-268, 1997.
MV	AT	Z. Li et al, "Point Cloud to Surface Best-Fitting", Proceedings of the Second International Corporation Rapid Prototyping & Manufacturing 2002, Beijing, pp.162-166.

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	BL						
	BM						
	BN						
	BO						
	BP						

## OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

MV	BR	I. I. Esat et al., "Surface alignment based on the moment of inertia and improved least-squares methods", Proc Institute Mech Engrs, Vol 214 Part B, IMechE 2000, pp. 547-554.
MV	BS	R. Bergevin et al., "Registering Range Views of Multipart Objects", Computer Vision & Image Understanding, Vol. 61, No. 1, pp. 1-16, January 1995.
MV	BT	J. - Y. Lai et al., "Registration and Data Merging for Multiple Sets of Scan Data", The Int. Journal Adv. Manufacturing Technology, 1999, 15:54-63.

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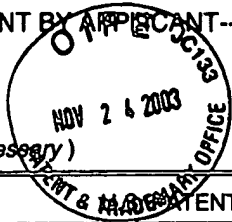
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	CK					

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	CM						
	CN						
	CO						
	CP						

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MN	CR	B.K.P. Horn et al., "Closed-form Solution of Absolute Orientation Using Orthonormal Matrices," Journal of the Optical Society, Vol. 5, No. 7, pp. 1127-1135, July 1988.
MV	CS	R. Fletcher et al., "A rapidly convergent descent method for minimization:", The Computer Journal, Vol. 6, ISSN 0010-4620 OCLC 156400, 1963, pp. 163-168.
MV	CT	V. Conan et al., "Multiresolution registration of 3D range images of free-form surfaces", SPIE Vol. 3204, 1997, pp. 165-172.

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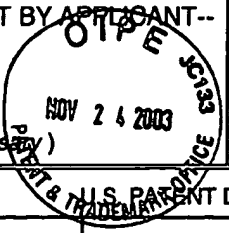
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	DL						
	DM						
	DN						
	DO						
	DP						

## OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

MV	DR	H. I. Ringermacher et al., "Towards a Flat-Bottom Hold Standard for Thermal Imaging", Review of Progress in Quantitative Nondestructive Evaluation, Vol. 17, Plenum Press, New York, 1998, pp. 425-429.
	DS	
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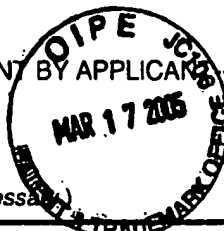
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MW	AB 6 0 4 7 0 4 1	04/04/00	Ellinger			
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MV	AL 0 3 0 4 7 0 8	03/01/89	EP				
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	AO						
	AP						

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	AR	US 2002/0128797, Sun, "Method for Determining Defect Depth Using Thermal Imaging," September 12, 2002.
	AS	US 2002/0095267, Knerpp et al., "Method for the Non-Destructive Inspection of Wall Strength," July 18, 2002.
MW	AT	EP Search Report, EP04255955, February 8, 2005.

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